THE ITALIAN HVACR EXPERIENCE

A CONTRIBUTION TO ACHIEVING UN’S 17 SUSTAINABLE DEVELOPMENT GOALS

Wednesday, 6 November 2019 | 18:00 - 20:00 | Sheik Zheid room
SIDE EVENT
THE ITALIAN HVACR EXPERIENCE: A CONTRIBUTION TO ACHIEVING UN’s 17 SUSTAINABLE DEVELOPMENT GOALS (SDGs)

All Italian RAC systems handled by Certified Technicians and Companies only, with the Online Database. A unique example, globally

Speaker:
Marco Buoni
Secretary General ATF-Associazione dei Tecnici del Freddo
Sistema Italia – The Italian system

• Italia has the Technologies for*,
  • refrigeration
  • air conditioning
  • heat pumps
  • with natural or synthetic refrigerants, alternatives

• The Italian sector is made by
  • Hundreds of medium size manufacturers, few large manufactures of
    • assembled product,
    • component, compressor, valves, control,
  • Service technicians (nearly 65.000 certified personnel and 26.000 certified companies)

• the capacity buildings, training and certification

*data from the chamber of commerce said that 60% of all EU RAC manufacturing was made in Italy
Registration and monitoring

• Online Register with the name of all the service technicians and companies which are certified

• Anybody can see if someone is or is not certified
Registration and monitoring

Only certified technicians can buy the refrigerant and install the systems. Even buy not hermetically sealed equipment.
New Italian decree 43/2018

• Online database (login-password) of all, in Italian territory,
  • Sales of equipment not hermetically sealed (whatever is the charge)
  • Sales of refrigerant
  • interventions
    • Installation
    • Recovery
    • Recycling
    • Leak test
    • Dismantling
  • Operators (every end-user can see his system history)
No more paper logbook (Paperless)

- From 25th of July 2019 for the sales of equipment
- From 25th of September 2019 for every intervention
Banca dati – Database

• Advantages
  • Transparency
    • illegal,
    • informal sector,
    • online sales (ebay, amazon))
  • Count of amount of refrigerant included, recovered, recycled
  • Count of amount of equipment installed
  • Operators behavior

→ Energy efficiency, leak of refrigerants, health, etc....
<table>
<thead>
<tr>
<th>Codice fiscale</th>
<th>Denominazione</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>02162970061</td>
<td>CENTRO STUDI GALILEO S.R.L.</td>
<td><a href="mailto:salamone@centrogalileo.it">salamone@centrogalileo.it</a></td>
</tr>
</tbody>
</table>

**Apparecchiatura: Matr.: 1234 - VIA ALESSANDRIA, 26 CASALE MONFERRATO (AL) ...**

<table>
<thead>
<tr>
<th>Matricola</th>
<th>Tipo apparecchiatura</th>
<th>Numero circuiti</th>
<th>Marca</th>
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<td>Apparecchiatura fissa di condizionamento d'aria</td>
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<td>DAIKIN</td>
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**Indirizzo**

VIA ALESSANDRIA, 26 CASALE MONFERRATO (AL)

**Destinazione d'uso**

E.1 - Edifici adibiti a residenza e assimilabili

**Intervento: Manutenzione** del: 24/09/2019

<table>
<thead>
<tr>
<th>Tipo intervento</th>
<th>Data intervento</th>
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<tbody>
<tr>
<td>Manutenzione</td>
<td>24/09/2019</td>
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**Altri dati apparecchiatura**

<table>
<thead>
<tr>
<th>Sistema rilevamento perdite</th>
<th>Ermet. Sigillata</th>
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**Dati installazione**

<table>
<thead>
<tr>
<th>Data installazione</th>
<th>La data di installazione non è conosciuta</th>
<th>Personale certificato che ha effettuato l'intervento</th>
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<tbody>
<tr>
<td>24/09/2019</td>
<td>Indicativamente prima del 2000</td>
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<table>
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<tr>
<th>Codice fiscale</th>
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<th>Certificato</th>
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<tbody>
<tr>
<td>BNUMRE75TT27L2190</td>
<td>BUONI MARCO</td>
<td>011982 ✔</td>
</tr>
<tr>
<td>FGas presenti</td>
<td>FGas</td>
<td>Q.tà Kg</td>
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<tr>
<td>R-32</td>
<td>20</td>
<td>675</td>
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<tr>
<th>FGas aggiunti</th>
<th>Fornito dall'operatore</th>
<th>Tipo FGas</th>
<th>FGas</th>
<th>Q.tà Kg</th>
<th>GWP</th>
<th>CO2 equiv. in t</th>
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</thead>
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Thank You!

Contacts:
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buoni@centrogalileo.it